# PROPOSED A-DROP REROUTE, FORT SHAW IRRIGATION DISTRICT

## **PROJECT PURPOSE**

- Extend Life of 100-year Simms Creek Siphon
- Water Conservation
- Improved Delivery Efficiencies
- Restore Production to Lost Ground
- Future Hydro-Power Generation Capability



# **PROJECT SCOPE**

- Perform NEPA and NHPA Studies
- Complete Final Designs
- Construct 2,000 LF of Lined-Canal
- Install 2,310 LF of 36-inch Pipeline
- Construction Management & Inspection

# **RENEWABLE RESOURCE BENEFITS**

- Conservation: 5,000 Ac-Ft/Season
- Management: Enhance management equates to less waste and more in-stream flows.
- Develop: Saved water develops other beneficial and environmental uses in the Sun River Basin.
- Preserves: The A-Drop Reroute will help reduce operational stresses on the Simms Creek
  Siphon thereby preventing catastrophic failure and therefore preserving the local economy.
- Future phase consists of converting outfall to hydro-power.

## **DISTRICT BENEFITS**

- Reduces operational pressures on the undersized, downstream Simms Creek Siphon.
- Replacement costs for Simms Creek Siphon exceed \$2,000,000.
- Reduce Main Canal flows from +200 cfs to 135 cfs in siphon approach section.
- Conserves 5,000 Ac-Ft/year or 9% of total 54,000 Ac-ft diverted by District.
- Maintains 11,600 acres of irrigation on 177 farms.
- Reduces seepage losses along approach section of main canal, restore production of lost agricultural ground.
- Numerous Stakeholders & public support as project benefits increased Summer flows in Sun River.
- Long-term environmental and economic impacts are all positive.

#### **PROJECT BUDGET**

PROJECT COSTS	<u>FUNDING</u>
MATERIAL \$302, 921	DISTRICT CONTRIBUTIONS \$ 249,640 (37.3%)
LABOR & SERVICES \$366,719	SUN RIVER WATERSHED GROUP \$ 20,000 (3%)
TOTAL \$669,640	USBR WATERSMART (SECURED) \$ 300,000 (44.8%)
	DNRC RRGL GRANT \$ 100,000 (14.9%)
	TOTAL \$ 660 640

